



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7004	DISPATCH DATE				31.07.2017
2.	Railway	NWR	Type	LWCBAC	Coach No.	17801	
3.	Booked to	SSE/C&W/BKN					
4.	Tare Weight of Coach	40.9 T					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
6.1	Leading Dimensions:						
i)	Maximum length over Body	23700+10/-0 mm					
ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)					
iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)					
iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm	1104	1105			
v)	Buffer/CBC (Make)	SANROK	Fiba Device	NIL			
7.	Air Brake Testing:	Description		Specified	Observed		
7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		6 –10 sec	6 Sec		
		Max Pressure in BC		3.80 ± 0.15 Kg/cm ²	3.80		
		All Brake are applied		OK	OK		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min		No brake application	OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply	OK		
8.	PAINTING DEATAILS:	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	GS	88/90			
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:					Make	
i.	BRAKE EQUIPMENT					FAIVELEY	
ii.	CDTS/ BIO TOILET					RAIL TECH	
iii.	SEATS/ BERTHS					AMIR CHAND	
iv.	BODY SIDE DOOR					JBM	
v.	VESTIBULE SLIDING DOOR					HANSAPL	
vi.	SALOON DOOR					KALSI	
vii.	WATER TANKS					RAIL FAB, RAIL TECH, SHIVALIK	
viii.	UIC VESTIBULE					ESCORTS	
ix	FLOOR BOARD					TWPL	
X	PVC					RESPONSIVE	
Xi	LP SHEET					--	
10.							
10.1	Modification / Trail (if any):					NIL	
10.2	Deviations if any:					NIL	



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RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176454455

11. Bogie Details:		Shell No.	Railway		Type	Coach No.	Dispatch Date		
					LWCBAC				
11.1 Wheel & Axle Details:									
i.	Bogie No.	176454				176455			
ii.	Frame No.	FIAT-5509				FIAT-5686			
iii.	Bolster No.	GI-6939				F-6935			
iv.	Axle No.	R-3610		R-2357		R-2637		W-3630	
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
vi.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.50	916.00	916.00
vii.	Wheel Disc No.	00079-6132	00159-6107	00055-6191	00186-6221	00054-6132	00005-6107	00180-6225	00042-6018
viii.	RB Nos.	02928	01732	00253	03269	01940	01937	09257	01850
ix.	RB Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2 Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side	
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
i.	Make & Nos.	FSK-17-2-126	GBD-16-12-59	FSK-17-2-21	GBD-16-12-87	FSK-17-2-514	GBD-16-2-127	FSK-17-2-77	GBD-16-12-83
ii.	Ht. at lest load	508.00	468.00	510.00	468.00	512.00	468.00	512.00	468.00
iii.	Align. deviation	10.00	12.00	9.00	12.00	12.00	7.00	8.00	7.00
Items traceability:									
11.3		Sno.	Item					Make	
i.	Primary Outer Spring	FSK-17-3		FSK-17-03		FSK			
ii.	Primary inner Spring	L4S-13-02		L4S-13-02		L4S			
iii.	Primary Damper	37309, 36956, 37287, 37307		37138, 37141, 37308, 36990		KONI			
iv.	Secondary Damper	0848, 0864		0830, 0842		KNORR			
v.	Lateral Damper	0041		0267		SV			
vi.	Break cylinder & Caliper	16338,16095, 16337,16083		16064,16099, 16067,16097		FTI			
vii.	Break Disc					FTI			
viii.	Control arm top					KUMAR			
ix.	Control arm bottom					KUMAR			
x.	top rubber pad					SCA			
xi.	Vertical Bump Stop					GMT			
xii.	Ball Joint Control arm					MGN			
xiii.	Lateral Bump stop					MGN			
xiv.	Traction center make					EMSON			
xv.	Traction lever make					APW			
xvi.	Ball joint traction lever					SCA			
xvii.	Traction center elastic					GMT			
xviii.	Secondary rubber pad					TECSYAK			
xix.	Rubber spring					PRAG			
xx.	Anti roll bar make					SARITA			
xxi.	Ball joint roll link					SARITA			
xxii.	FORK make					SARITA			
11.4		i.	Modification/Trail(if any):	NIL					
		ii.	Deviations (if any):	NIL					

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	7005	DISPATCH DATE				31.07.2017
2.	Railway	NWR	Type	LWCBAC	Coach No.	17802	
3.	Booked to	SSE/C&W/BKN					
4.	Tare Weight of Coach	40.9 T					
5.	Carrying Capacity	Seating	NIL	Sleeping	NIL	Luggage	NIL
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
6.1	Leading Dimensions:						
i)	Maximum length over Body	23700+10/-0 mm					
ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)					
iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)					
iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm	1105	1105			
v)	Buffer/CBC (Make)	SANROK	Fiba Device	NIL			
7.	Air Brake Testing:	Description			Specified	Observed	
7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	6 –10 sec		6 Sec		
		Max Pressure in BC	3.80 ± 0.15 Kg/cm ²		3.80		
		All Brake are applied	OK		OK		
7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application		OK		
7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply		OK		
8.	PAINTING DEATAILS:	TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE			
8.1	PAINT	PU PAINT	GS	88/89			
8.2	APPLICATION OF PCN-123	SATISFACTORY					
8.3	INSUALTION	SATISFACTORY					
9.	Traceability of Furnishing Items:	Make					
i.	BRAKE EQUIPMENT	FAIVELEY					
ii.	CDTS/ BIO TOILET	M K PRECISION					
iii.	SEATS/ BERTHS	AMIR CHAND					
iv.	BODY SIDE DOOR	JBM					
v.	VESTIBULE SLIDING DOOR	HANSAPL					
vi.	SALOON DOOR	KALSI					
vii.	WATER TANKS	AMIT, SHIVALIK					
viii.	UIC VESTIBULE	ESCORTS/SSIPL					
ix	FLOOR BOARD	NARBADA					
X	PVC	RESPONSIVE					
Xi	LP SHEET	--					
10.							
10.1	Modification / Trail (if any):	NIL					
10.2	Deviations if any:	NIL					



रेल डिब्बा कारखाना
RAIL COACH FACTORY, KAPURTHALA

Bogie Pair ID: 176398399

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
					LWCBAC					
11.1 Wheel & Axle Details:										
i.	Bogie No.	176398				176399				
ii.	Frame No.	FIAT-5538				FIAT-5639				
iii.	Bolster No.	GT-6897				GT-6878				
iv.	Axle No.	V-2147		V-1810		S-9377		R-2298		
v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	
vi.	Wheel Dia.	917.00	917.00	916.00	916.00	916.50	916.50	917.00	917.00	
vii.	Wheel Disc No.	00183-7321	00066-7321	00027-7250	00180-6185	00148-6218	00149-7251	00055-6185	00181-7321	
viii.	RB Nos.	06194	76304	78047	77926	79627	76337	76483	76920	
ix.	RB Make	SKF		SKF		SKF		SKF		
x.	RB Type	JIC CARTRIDGE TAPER ROLLER BEARING								
11.2 Secondary suspension load deflection Values:										
Description		Lateral Damper Side		Non-Lat. Damper Side		Lateral Damper Side		Non-Lat. Damper Side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & Nos.	FSK-17-02-042	GBD-16-12-129	FSK-17-02-08	GBD-16-12-125	FSK-17-02-013	GBD-16-12-060	FSK-17-02-136	GBD-16-12-041	
ii.	Ht. at rest load	509.50	468.00	511.50	466.00	511.00	466.00	511.50	468.00	
iii.	Align. deviation	7.00	12.00	8.00	12.00	9.00	10.00	12.00	12.00	
Items traceability:										
11.3	Sno.	Item					Make			
	i.	Primary Outer Spring	FSK-17-01		FSK-17-01		FSK			
	ii.	Primary inner Spring	GF-12-06		GF-12-06		GF			
	iii.	Primary Damper	36318, 36445, 36452, 36430		36037, 36493, 36464, 36468		KONI			
	iv.	Secondary Damper	0046, 0370		0359, 0626		SV			
	v.	Lateral Damper	0229		0237		SV			
	vi.	Break cylinder & Caliper	M16219, M16414, M16326, M16411		K16210, L16019, K16239, K16298		FTI			
	vii.	Break Disc					FTI			
	viii.	Control arm top					KUMAR			
	ix.	Control arm bottom					KUMAR			
	x.	Top rubber Pad					SCA			
	xi.	Vertical Bump Stop					GMT			
	xii.	Ball Joint Control arm					MGN			
	xiii.	Lateral Bump stop					GMT			
	xiv.	Traction center make					EMSON			
	xv.	Traction lever make					APW			
	xvi.	Ball joint traction lever					MGN			
	xvii.	Traction center elastic					GMT			
	xviii.	Secondary rubber pad					TECSPAK			
	xix.	Rubber spring					GMT			
	xx.	Anti roll bar make					SARITA			
	xxi.	Ball joint roll link					SARITA			
	xxii.	Fork make					EMSON			
11.4	i.	Modification/Trail (if any):	NIL							
	ii.	Deviations (if any):	NIL							

LWCBAC-7005